Name	Hour	Prompt #3
Alicia is selling bracelets to for each box of bracelets t	•	•
Alicia has already sold 3 bo	xes of bracelets.	
Part A		
Write an equation that can must sell to meet her goal.		•
Define the variable Let b	represent how many	more boxes Alicia
Equation25b + 75 =	500 must sel	l to meet her goal.
Part B		

Each box contains 12 bracelets.

How many more individual bracelets will Alicia have to sell to meet her goal?

Show All Work
$$25b + 75 = 500$$

 $25b + 75 - 75 = 500-75$
 $\frac{25b}{25} = \frac{425}{25}$

b = 17 boxes

 $17 \times 12 = 204 \text{ bracelets}$

Answer _____bracelets

Mrs. Gowdy created a 2-foot wide garden path around a circular garden. The 4 radius of the garden is 7 feet. What is the area of the path around the garden to the nearest tenth?

Part 1 Show All Work

Big Circle:



$$A = \Pi r^2$$
 $A = \Pi r^2$

$$A = \Pi r^2$$

$$A = \Pi 9^2$$
 $A = \Pi 7^2$

$$A = \Pi 7^2$$

$$A = 81 \text{ TT } \text{ ft}^2$$
 $A = 49 \text{ TT } \text{ ft}^2$

$$A = 49 TT ft^2$$

$$81 \,\mathrm{TT} - 49 \,\mathrm{TT} = 32 \,\mathrm{TT} = 100.5 \,\mathrm{ft}^2$$

Part 2

Mrs. Gowdy wants to cover the path in stones. If it takes 1 bag of stones for every 5 square feet of the path, how many bags of stones will be needed to cover the garden path?

Show All Work

$$100.5 \div 5 = 20.1 \text{ bags}$$